UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIELD NOTES

OF THE

REMONUMENTATION

OF

THE CORNER OF

SECTIONS 31 AND 32 ONLY,

ON THE SOUTH BOUNDARY,

TOWNSHIP 26 NORTH, RANGE 30 EAST,

Of the Gila and Salt River Meridian,
In the State of Arizona

EXECUTED BY

William F. Olver, Cadastral Surveyor

Under Special Instructions dated and approved July 31, 1997, which provided for the surveys included under Group Number 814 and assignment instructions dated July 31, 1997.

Survey Commenced July 6, 1998
Survey Completed July 9, 1998

INDEX DIAGRAM

TOWNSHIP 26 NORTH, RANGE 30 EAST,

GILA AND SALT RIVER MERIDIAN, ARIZONA

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

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T. 26 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS

The following field notes are those of the remonumentation of the corner of sections 31 and 32 only, on the south boundary, Township 26 North, Range 30 East, Gila and Salt River Meridian, Arizona.

The south boundary of the township was originally surveyed by James L. Lamport in 1900, resurveyed by Sidney E. Blout in 1927, and resurveyed by Kevin R. DeRossett and Richard S. Kaiser in 1984-85.

The request for this survey work was made by the Navajo Tribal Utility Authority, Ft. Defiance, Arizona, by letter dated June 4, 1997. The remaining bearing trees at the cor. of secs. 31 and 32 only, on the S. bdy. of the Tp., were identified to be destroyed during the construction of an electric transmission line.

The work was executed in accordance with the specifications as set forth in the Manual of Instructions for the Survey of the Public Lands of the United States, 1973, and the Special Instructions approved July 31, 1997, for Group No. 814, Arizona.

The directions of all lines were determined by the technique of differential positioning using the Trimble Navigation 4400 series Global Positioning System receivers with Fast Static and Real-Time Kinematic techniques. Distances and angles were measured with a Topcon GTS3B total station instrument.

The mean magnetic declination is 12° E.

Remonumentation of the Corner of Sections 31 and 32 Only,
on the South Boundary,
T. 26 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS

Resurvey executed by
Kevin R. DeRossett and Richard S. Kaiser in 1984-85

The cor. of secs. 31 and 32 only, on the S. bdy. of the Tp., monumented with an iron post, 2 ins. diam., loosely set, projecting 18 ins. above a loose mound of stone, 4 ft. base, 18 ins. high, with brass cap mkd.

T26N R30E
S31 | S32

T25N R30E
S 6
1984
1927

from which the remains of the original bearing trees

A ponderosa pine stump, 31 ins. diam., 16 ins. high, bears N. 58 1/4° E., 80 1/2 lks. dist., with no visible blaze.

A ponderosa pine stump, 28 ins. diam., 9 ins. high, bears N. 32° W., 2.575 chs. dist., with no visible blaze.

and the remains of the 1984 bearing tree

A ponderosa pine stump, 18 ins. diam., 7 ins. high, bears N. 21 1/4° E., 3.48 chs. dist., with no visible blaze.

At the cor. point

Reset the 1927 iron post, 36 ins. long, 4 ins. in bedrock, cemented in place, supported in a mound of stone, 4 ft. base, to top.

from which

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 24 ins. in the ground, for a reference monument, bears N. 45°00' E., 60.0 ft. dist., with brass cap mkd. T26N R30E S32 RM 60.0 FT TO COR 1998 and an arrow pointing to the cor. Deposit a magnet enclosed in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post. Set a steel fence post nearby.

Remonumentation of the Corner of Sections 31 and 32 Only,
on the South Boundary,
T. 26 N., R. 30 E., Gila and Salt River Meridian, Arizona

CHAINS

A stainless steel post, 28 ins. long, 2 1/2 ins. diam., set 26 ins. in the ground, for a reference monument, bears N. 45°00' W., 65.0 ft. dist., with brass cap mkd. T26N R30E S31 RM 65.0 FT TO COR 1998 and an arrow pointing to the cor. Deposit a magnet enclosed in a 1 x 1 x 2 ins. white plastic case beneath the stainless steel post. Set a steel fence post nearby.

Deposit a magnet enclosed in a 1 x 1 x 2 ins. white plastic case in a drill hole beneath the iron post.

Add the marks 1998 to the brass cap.

Cor. is located on S. edge of a trail road, bears ESE and WNW; 3.60 chs. S. of a wood pole high voltage transmission line, bears ENE and WSW; and 80 lks. N. of northernmost of several El Paso Natural Gas underground pipelines, bears E. and W.

GENERAL DESCRIPTION

The area surveyed is inside the Navajo Indian Reservation, approximately 7 miles southwest of the community of Window Rock, Arizona. The elevation is approximately 7,600 feet above sea level.

Access is provided by trail roads.

The soil is primarily rocky clay and bedrock. Timber consists of piñon, juniper, and ponderosa pine with undergrowth of Gambel's oak, and various types of brush and native grasses.

The mean magnetic declination of 12° E. was derived from the United States Geological Survey computer program GEOMAGIX utilizing the Regional Magnetic Field Model for Epoch 1995 for the dates of survey.

UNITED STATES
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FIELD ASSISTANTS

NAMES	CAPACITY
Leonard R. Sandoval	Cadastral Surveyor
Daniel Bryan	Engineering Technician
Edward Clarke	Engineering Technician

CERTIFICATE OF SURVEY

I, William F. Olver, Cadastral Surveyor, HEREBY CERTIFY upon honor that, in pursuance of Special Instructions bearing date of the 31st day of July, 1997, I have remonumented the corner of sections 31 and 32, on the south boundary, Township 26 North, Range 30 East, of the Gila and Salt River Meridian, in the state of Arizona, which are represented in the foregoing field notes as having been executed by me and under my direction; and that said survey has been made in strict conformity with said Special Instructions, the Manual of Instructions for the Survey of the Public Lands of the United States, 1973, and in specific manner described in the foregoing field notes.

August 5, 1998 (Date)

William F. Olver (Cadastral Surveyor)

CERTIFICATE OF APPROVAL

BUREAU OF LAND MANAGEMENT
Arizona State Office
Phoenix, Arizona

The foregoing field notes of the remonumentation of the corner of sections 31 and 32 only, on the south boundary, Township 26 North, Range 30 East, Gila and Salt River Meridian, Arizona, executed by William F. Olver, Cadastral Surveyor, having been critically examined and found correct, are hereby approved.

August 12, 1998 (Date)

Dennis K. McKay (Acting Chief Cadastral Surveyor of Arizona)

~~CERTIFICATE OF TRANSCRIPT~~

I CERTIFY that the ~~foregoing~~ transcript of the field notes of the above-described survey in T. 26 N., R. 30 E., ~~Gila~~ and Salt River Meridian, Arizona, is a true copy of the original field notes.

~~(Date)~~

~~(Acting Chief Cadastral Surveyor of Arizona)~~